Recombinant Yeast Thioredoxin

Cat. No. TRX-263Y **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Yeast Thioredoxin produced in*E.Coli*is a single, non-glycosylated, polypeptide chain. The protein has a molecular mass of 12.6 kDa.
Species	Yeast
Source	E.coli
Physical Appearance	Sterile Lyophilized Powder.
Formulation	Each mg of protein contains 20mM phosphate buffer pH 7.4.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained.
Dimers and aggregates	Less than 1% as determined by silver stained SDS-PAGE gel analysis.
Endotoxin	Less than 0.1 ng/μg (IEU/μg) of ryTRX.
Biological Activity	ryTRX is fully biologically active when compared to standard. TRX activity is assayed by measuring the change in absorbance at 650 nm at 25°C using 0.13μM bovine insulin containing 0.33mM DTT (pH 6.5). The specific activity was found to be 3IU/mg.
Solubility	It is recommended to reconstitute the lyophilized ryTRX in sterile 18MΩ-cm H2O.

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Stability	ryTRX although stable at 4℃for 3 weeks, should be stored desiccated below -18℃. Please prevent freeze thaw cycles.

GENE INFORMATION

Synonyms	TXN; MGC61975; TRX; ADF; DKFZp686B1993; MGC61975; OTTHUMP00000021892; SASP; TRDX; TRX1; Trx; thioredoxin; ATL-derived factor; Surface-associated sulphydryl protein.

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